



Grupo
geispen

► www.geispen.com

Le ayudamos a conseguir sus objetivos

Wir helfen Ihnen, Ihre Ziele zu erreichen

We help you achieve your goals

Nous vous aidons à atteindre vos objectifs

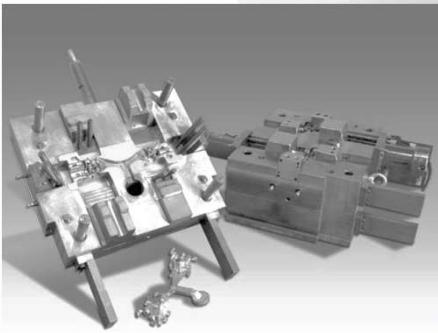




Our group



Grupo geispen



Matricería Geispen
Tooling Construction



*Diseño y fabricación de moldes
de inyección y matrices de corte*



Industrias R. Jimenez



*Inyección a presión de aleaciones de
aluminio y mecanizados*



CEE Geispen



*Inyección de termoplásticos , montajes y
mecanizados de subconjuntos*



Our History

1963

Industrias R. Jimenez is founded
by D.Rafael Jiménez Gómez



1968

Die casting activity begins with the
acquisition of a hot chamber machine for
Zamak die casting

1975

Acquisition of the first Alu HPDC machine
with clamping force of 80 Tn

1991

CNC machining begins with the purchase
of our first CNC

1997

The company is certified according to ISO
9001 standard for die casting and
machining



2001

**D. Javier Jimenez takes over the
management of the company**



2006

GRUPO GEISPEN is founded by merging
INDUSTRIAS R. JIMÉNEZ S.A. and
MATRICERIA GEISPEN, S.L.



2007

CEE GEISPEN, S.L. is created by merging two
companies; one dedicated to plastic injection
and the other one to component assembly.



2012

ISO/TS 16949 Certification for the automotive
market



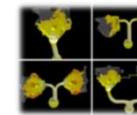
2015

1st component for automotive market approved
for serial production



2016

Tomography equipment acquisition



2018

FEM simulation software acquisition



2020

Implementation of Industry 4.0 platform



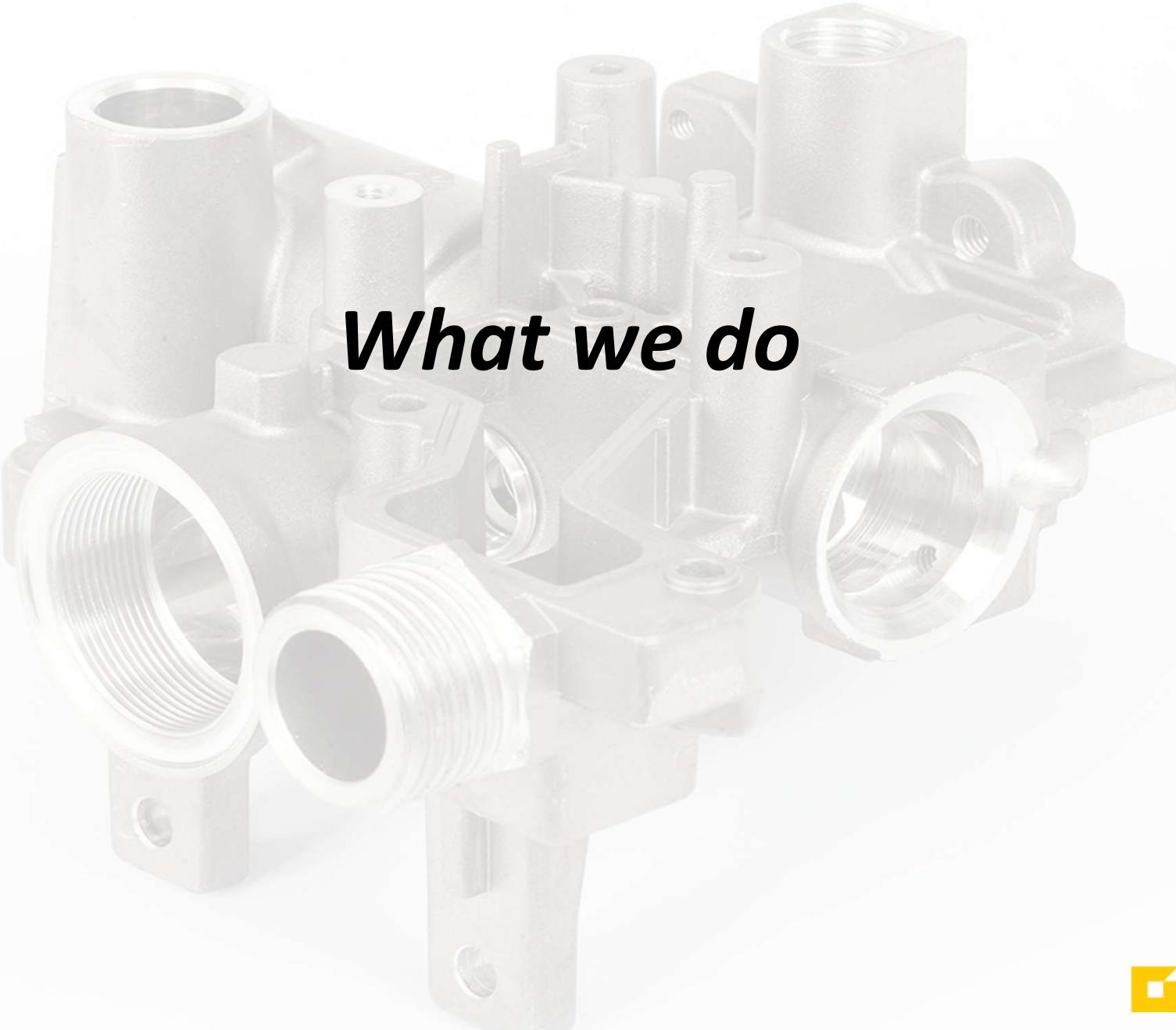
2022

ISO 14001 Certification

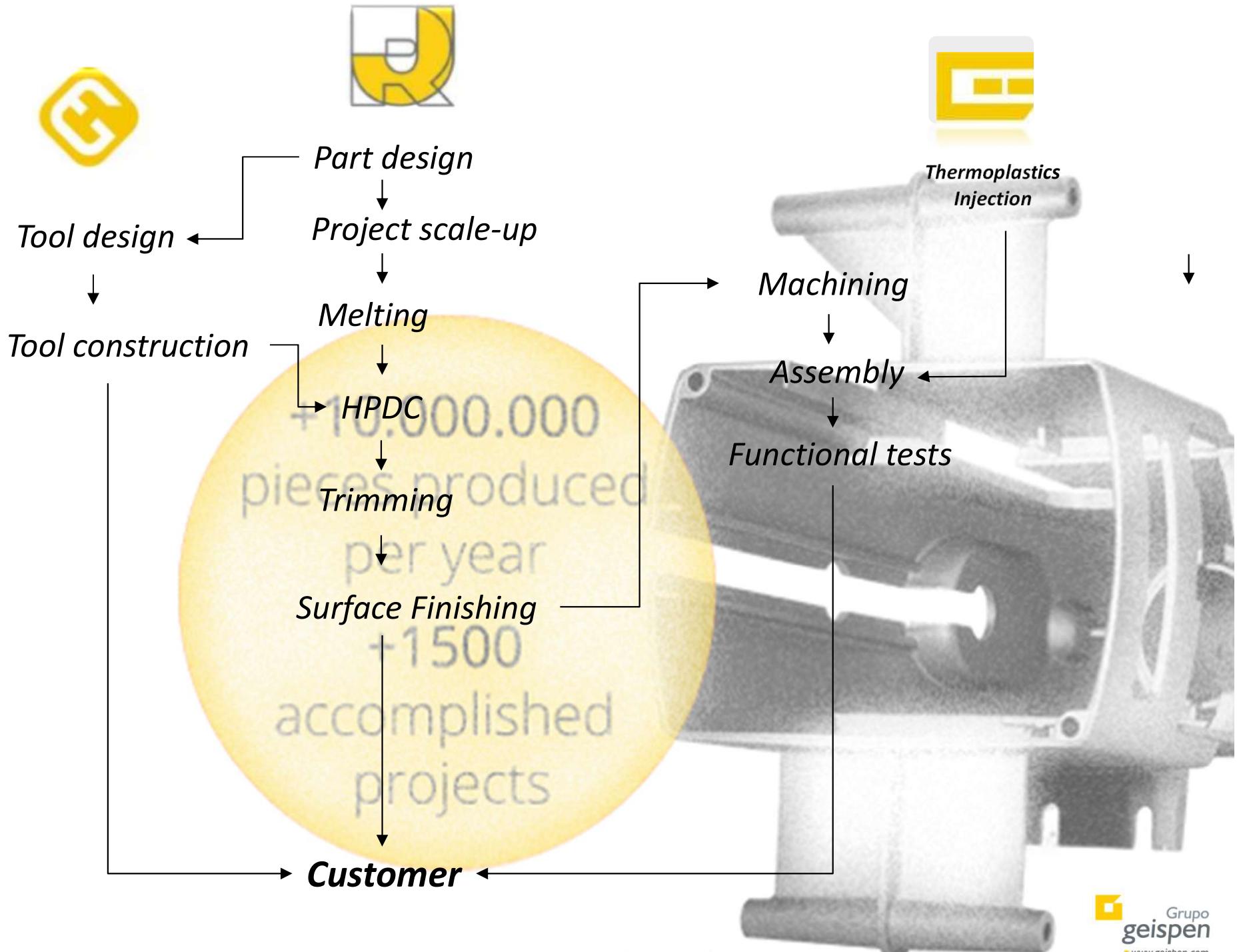
2024

ISO 9001 Certification for CEE GEISPEN

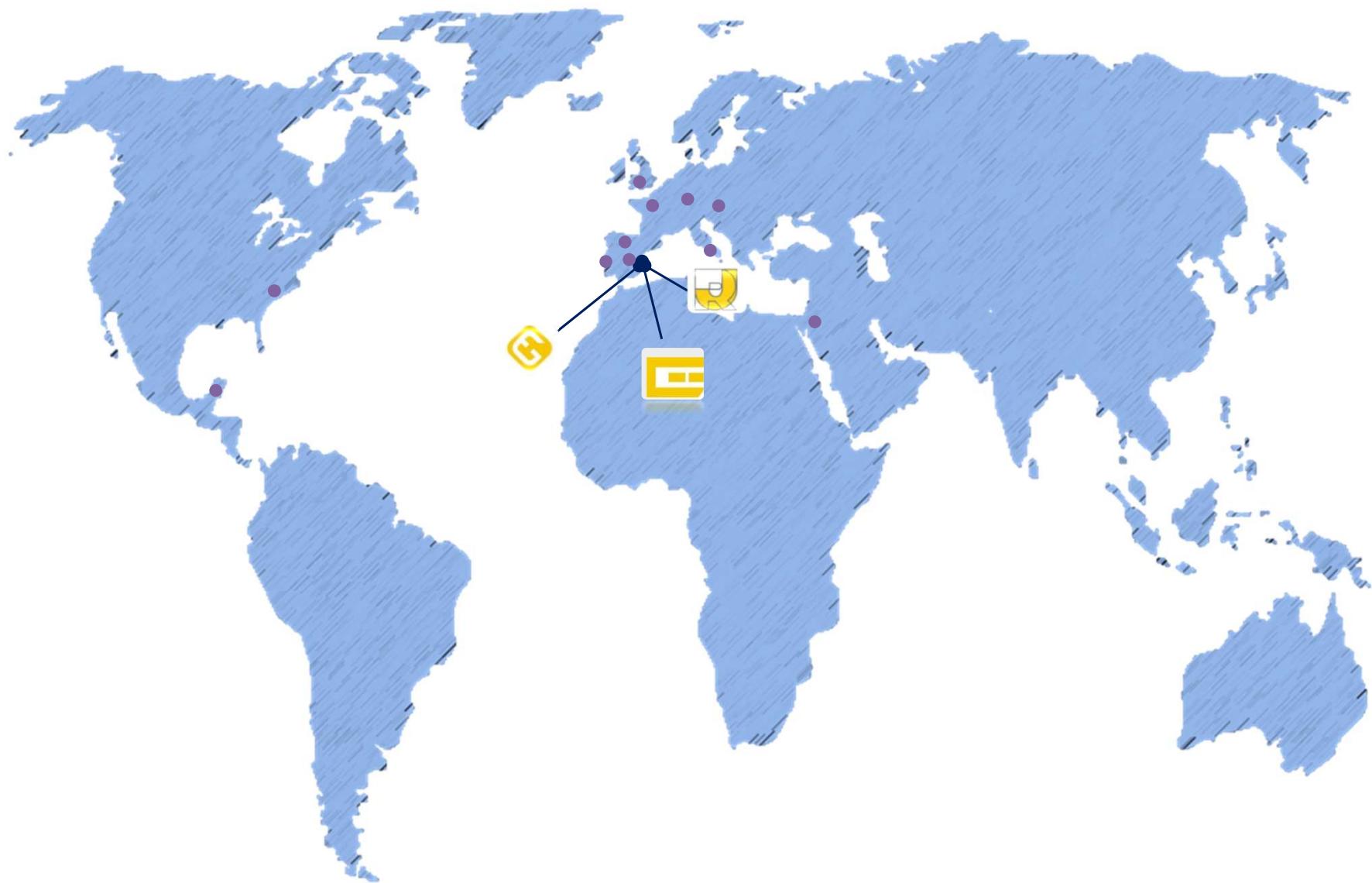
*More than 50 years experience
manufacturing complex geometry castings
capable of meeting high quality standards*



What we do



We export 70% of our products around the world





Corporate Social Responsability

CEE Geispen provides direct employment to physically disabled workers, 90% of whom are in technical roles, and contributes to their better integration in the society



A clean, environmentally-friendly approach is the foundation of our every day work



We recycle more than 85% of the process waste

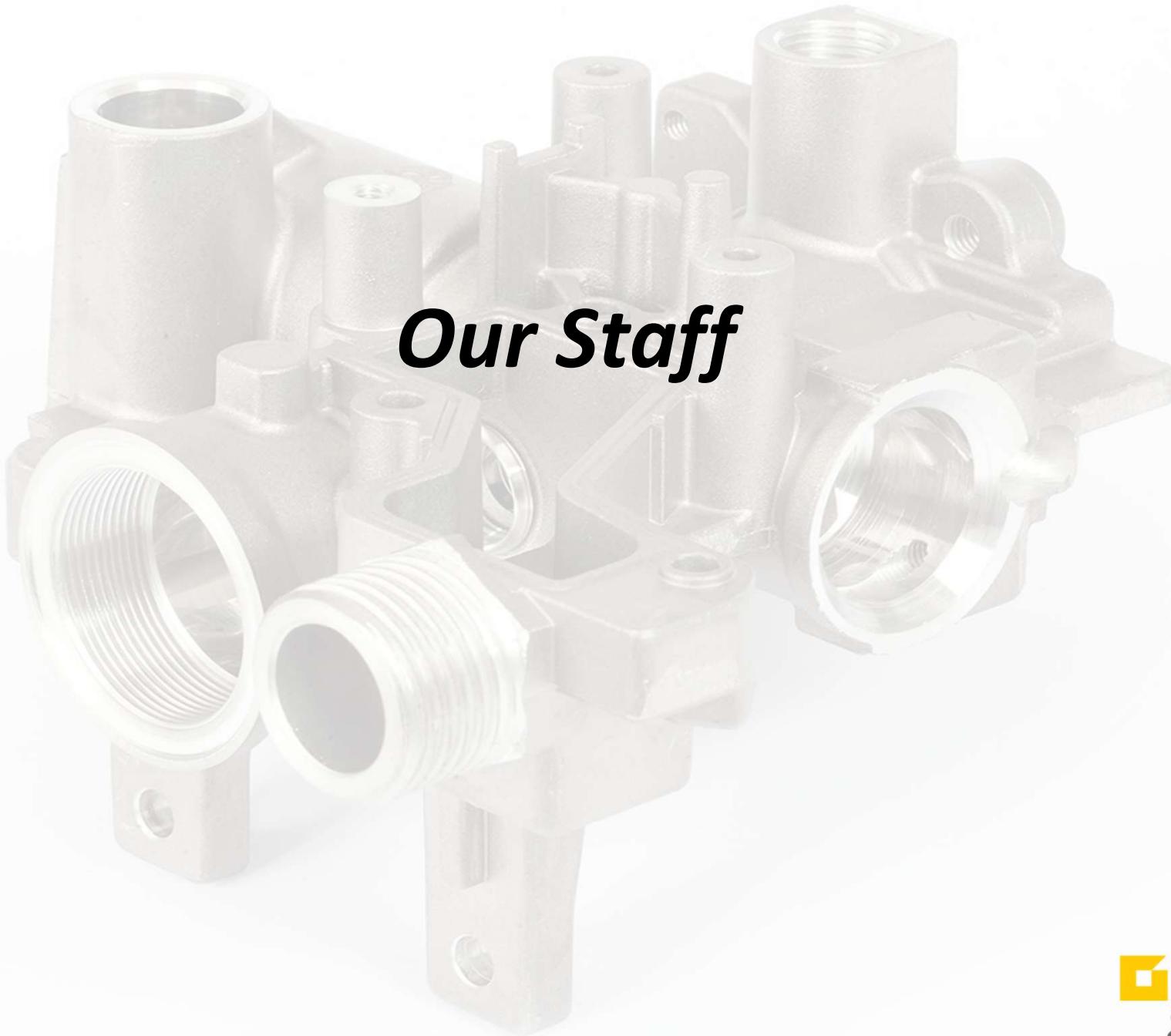


We monitor our energy consumption



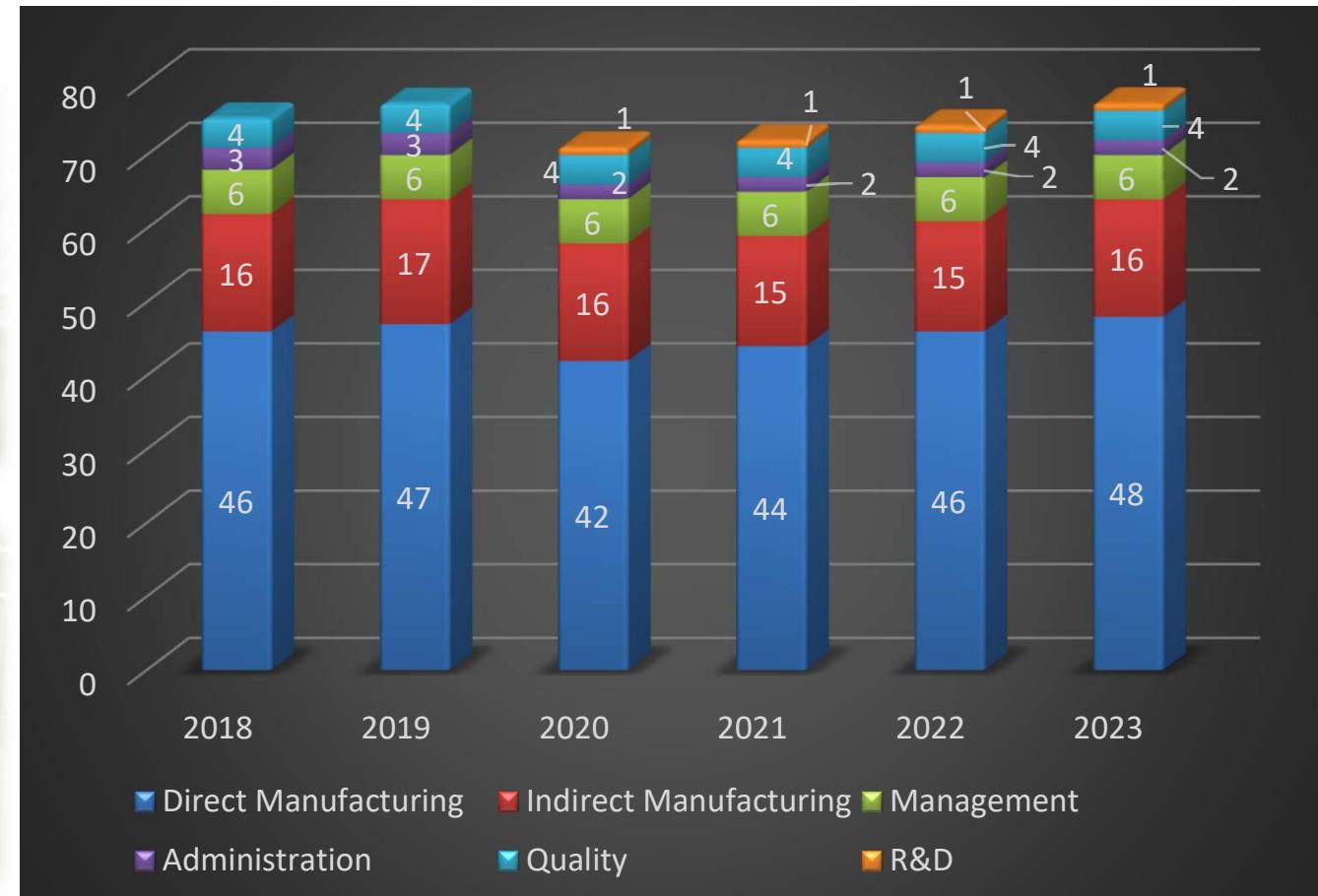
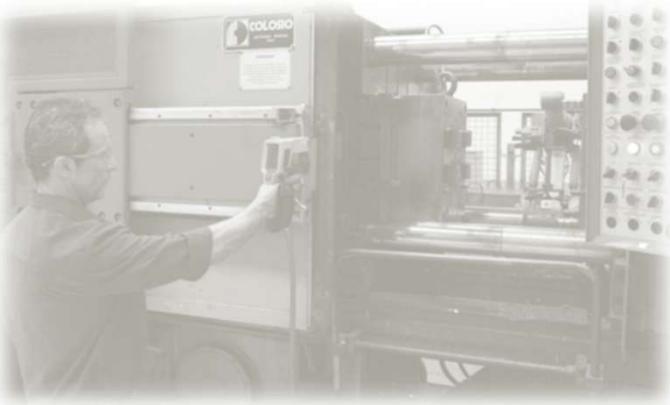
We have our own water treatment system with which we purify the wastewater produced as a result of our industrial activity

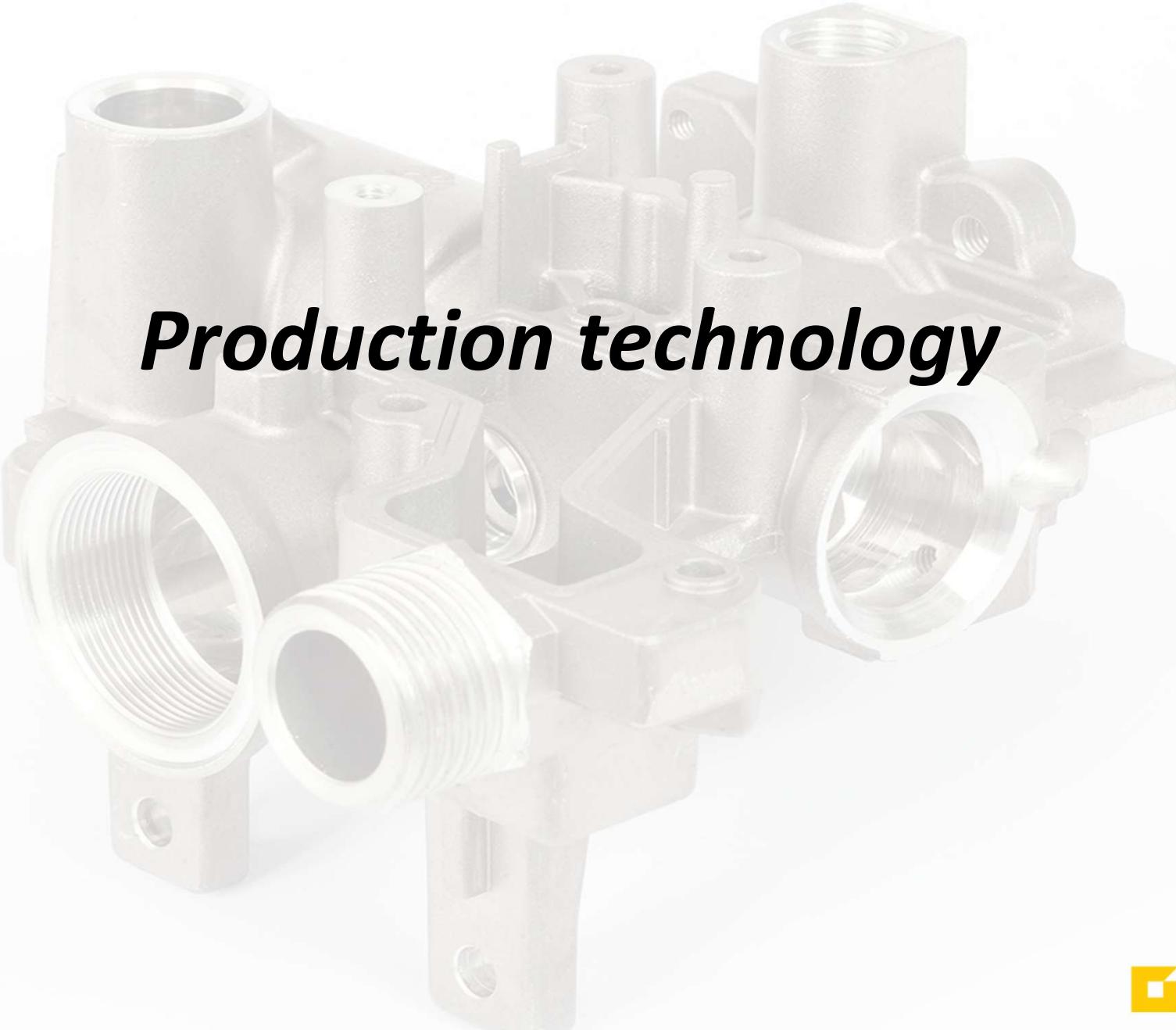
Our Staff



OUR STRENGTH LIES IN OUR STAFF

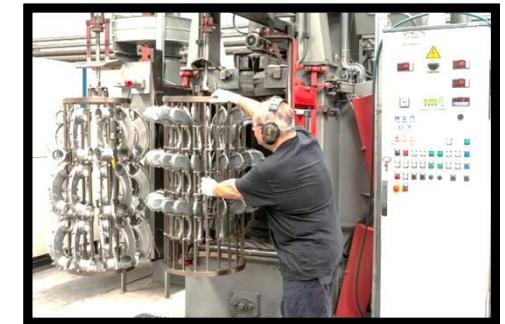
Highly motivated team lead by engineers capable of facing any technical challenge.





Production technology

8 automated **high pressure die casting machines** from 140 to 750TN , all of them equiped with **ABB robots and trimming press**

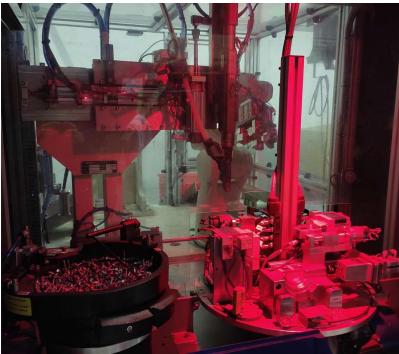


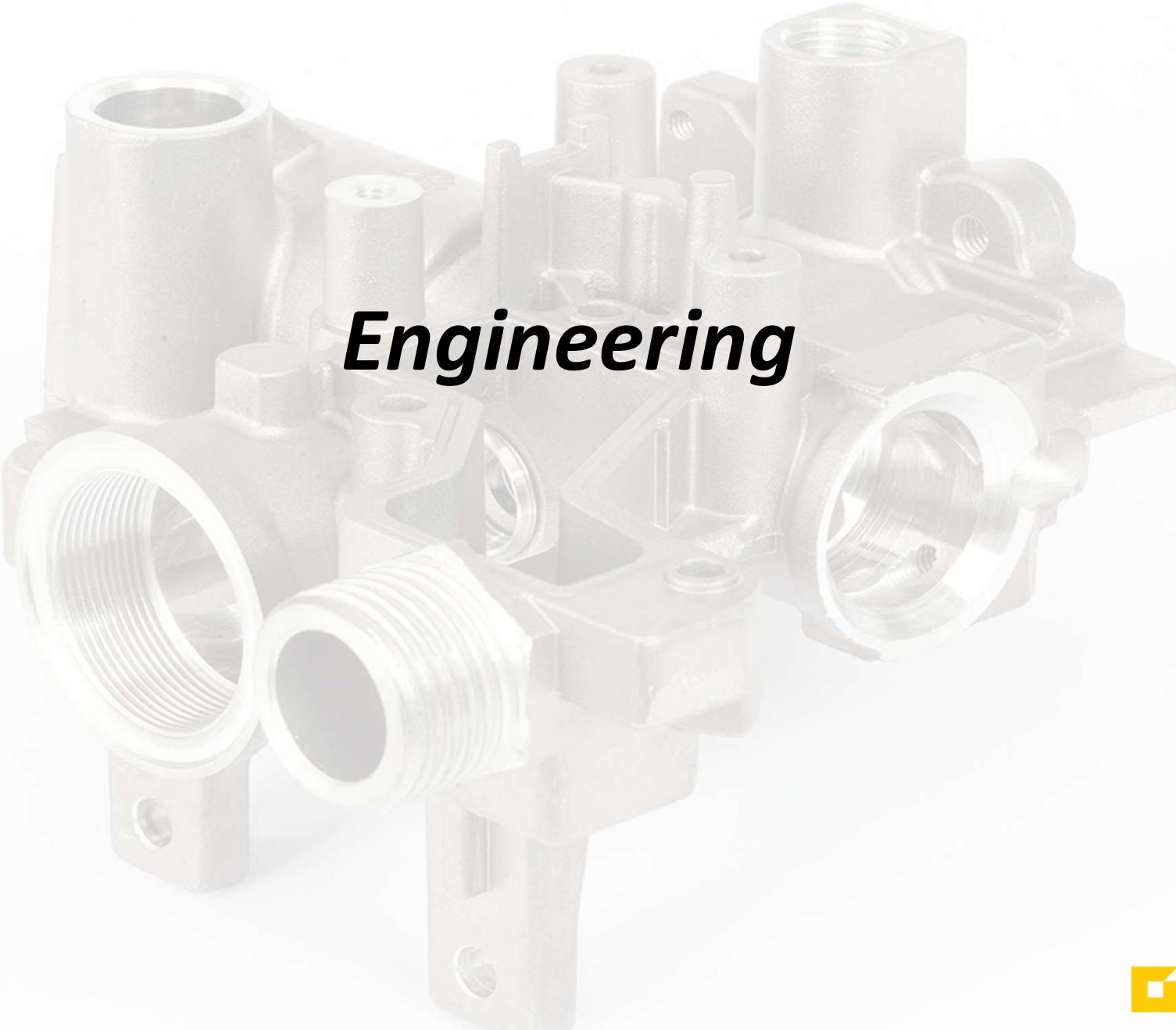
Surface finishing: Shot blasting & vibratory deburring machines

8 **CNC working stations** for advanced and precise machining



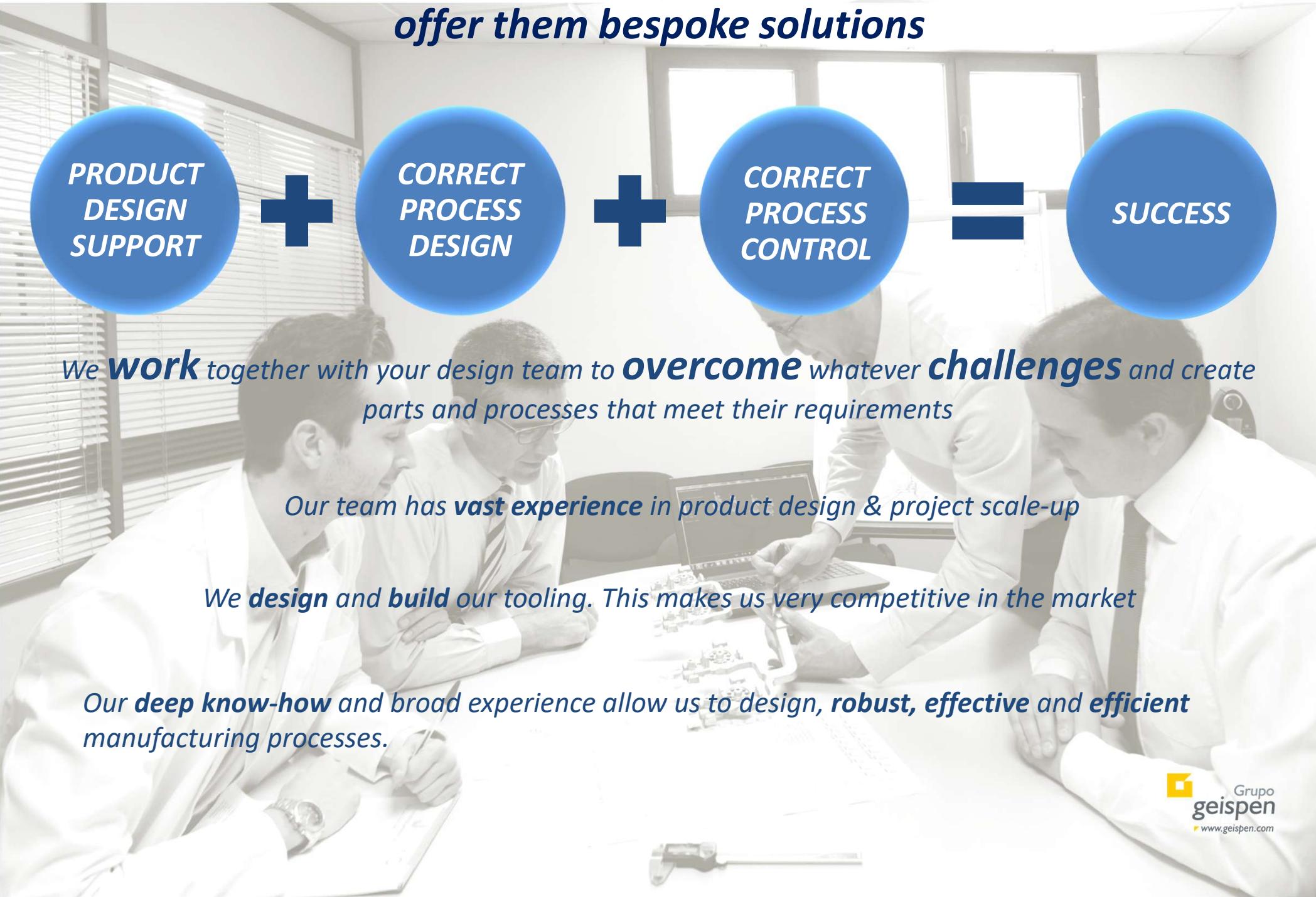
3 **LINES DEDICATED FULL ASSEMBLY** products 100% tested





Engineering

We work closely with our partners to understand their needs and offer them bespoke solutions



**PRODUCT
DESIGN
SUPPORT**



**CORRECT
PROCESS
DESIGN**



**CORRECT
PROCESS
CONTROL**



SUCCESS

We **work** together with your design team to **overcome** whatever **challenges** and create parts and processes that meet their requirements

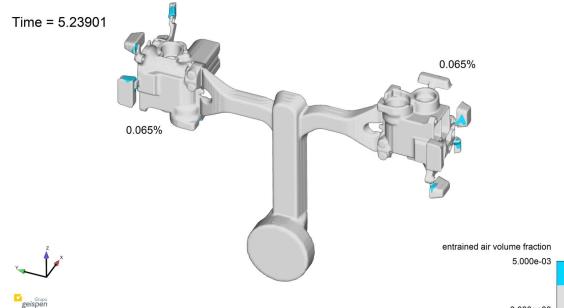
*Our team has **vast experience** in product design & project scale-up*

*We **design** and **build** our tooling. This makes us very competitive in the market*

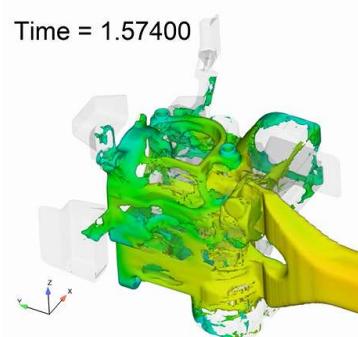
*Our **deep know-how** and broad experience allow us to design, **robust, effective** and **efficient** manufacturing processes.*

FEM simulation software

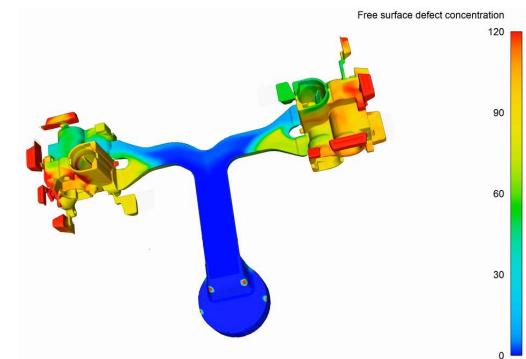
Air entrained prediction



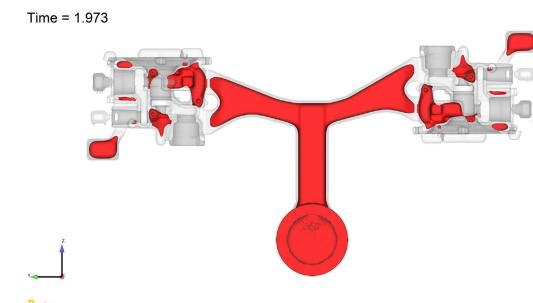
Last filling point



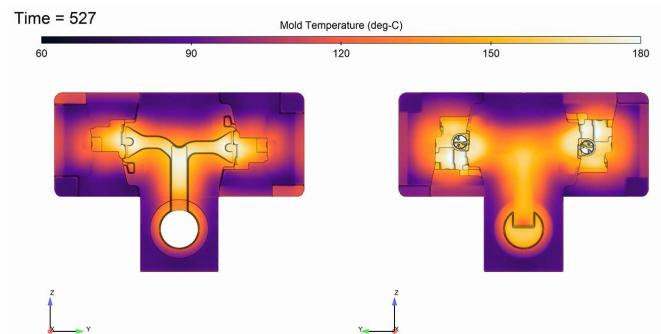
Material Speed and temperature during casting process



Solidification behaviour



Tool Thermal behaviour





Quality

Certified quality systems based on ISO 9001 and IATF 16949

*Project management following automotive procedures
APQP, PPAP ..*

Quality control Lab fully equipped to ensure high quality performance throughout the productive process

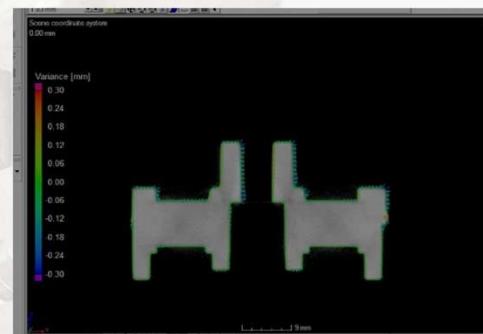
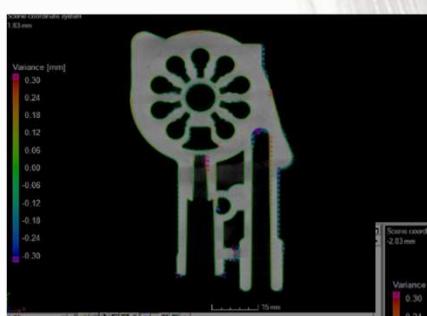
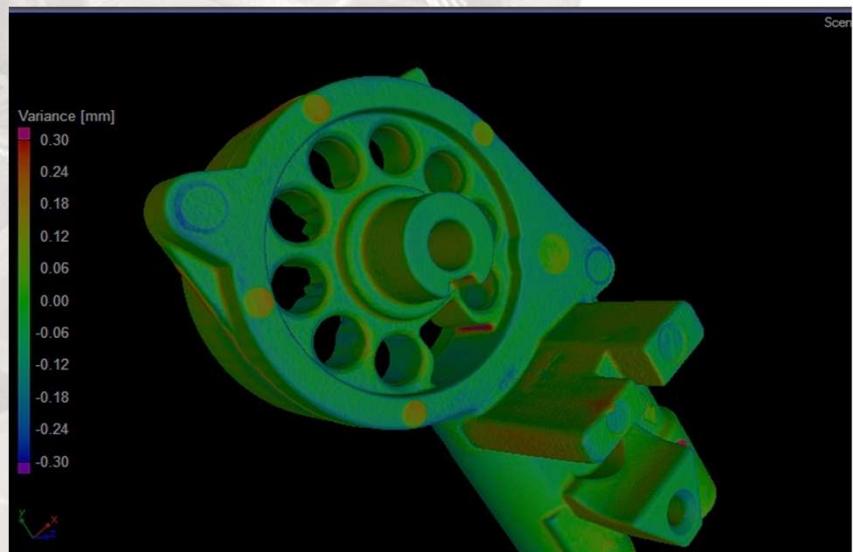
Raw material composition analysis

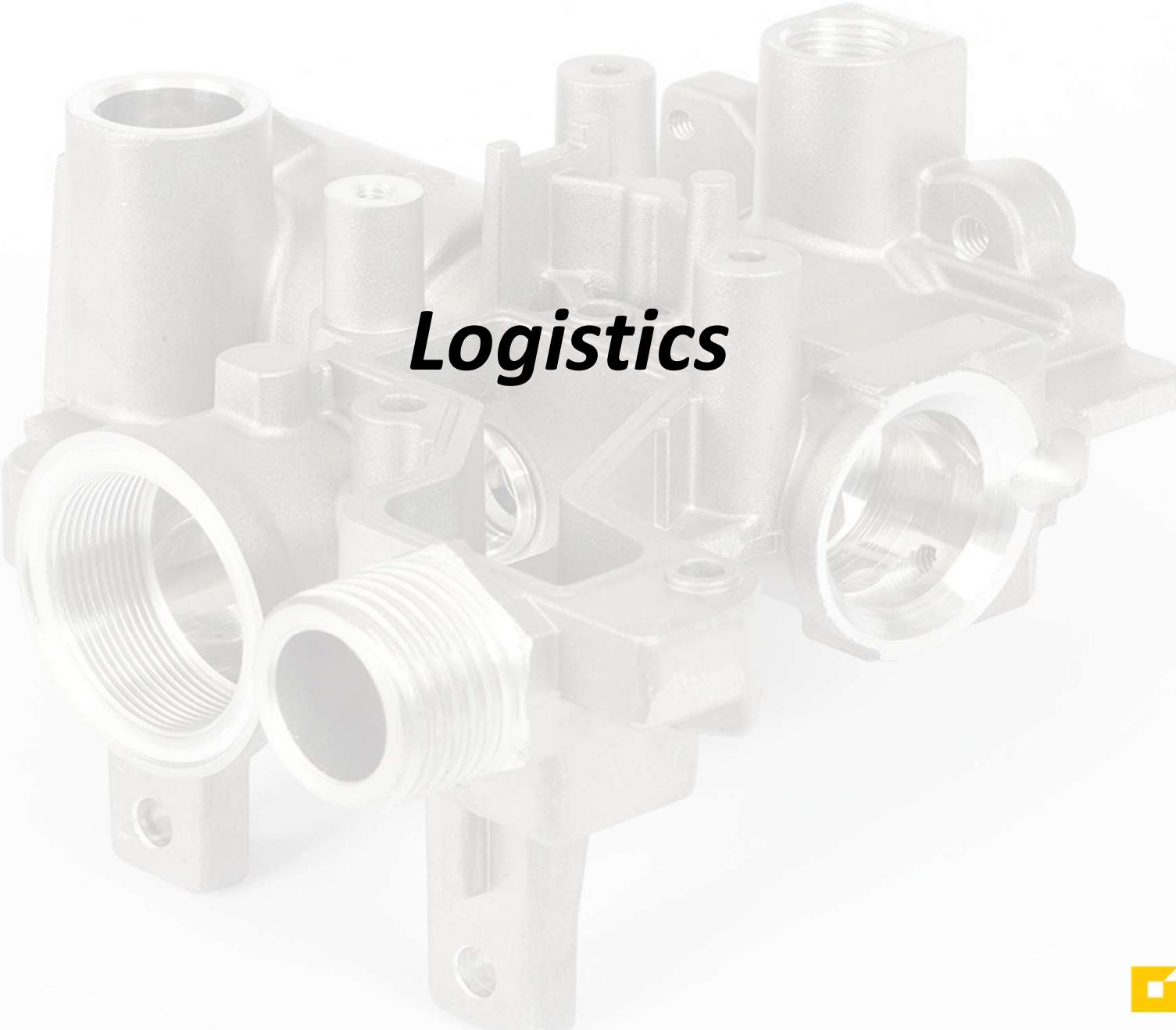
Full dimensional control

ATEQ leaktesting



Porosity analysis with tomography



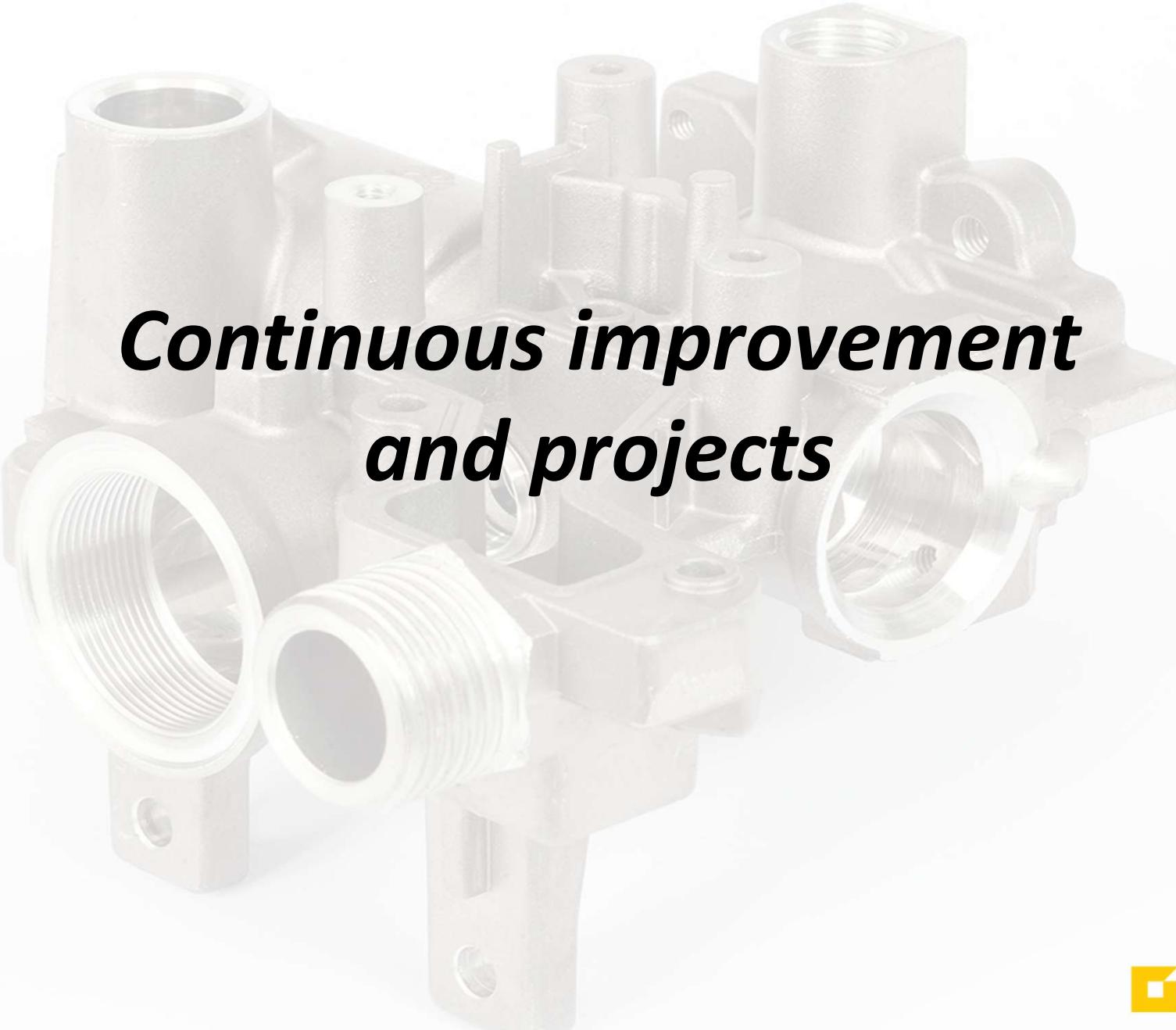


Logistics

Getting the right product to the right place at the right time

- ✓ *We develop a personalised supply scheme based on the needs and requirements of each project or customer*
- ✓ *Just-in-time concept delivery to minimise customer's stocking costs.*
- ✓ *Logistics management with safety stocks to deal with problems of urgency*
- ✓ *Load optimisation to keep shipping costs as low as possible*





*Continuous improvement
and projects*

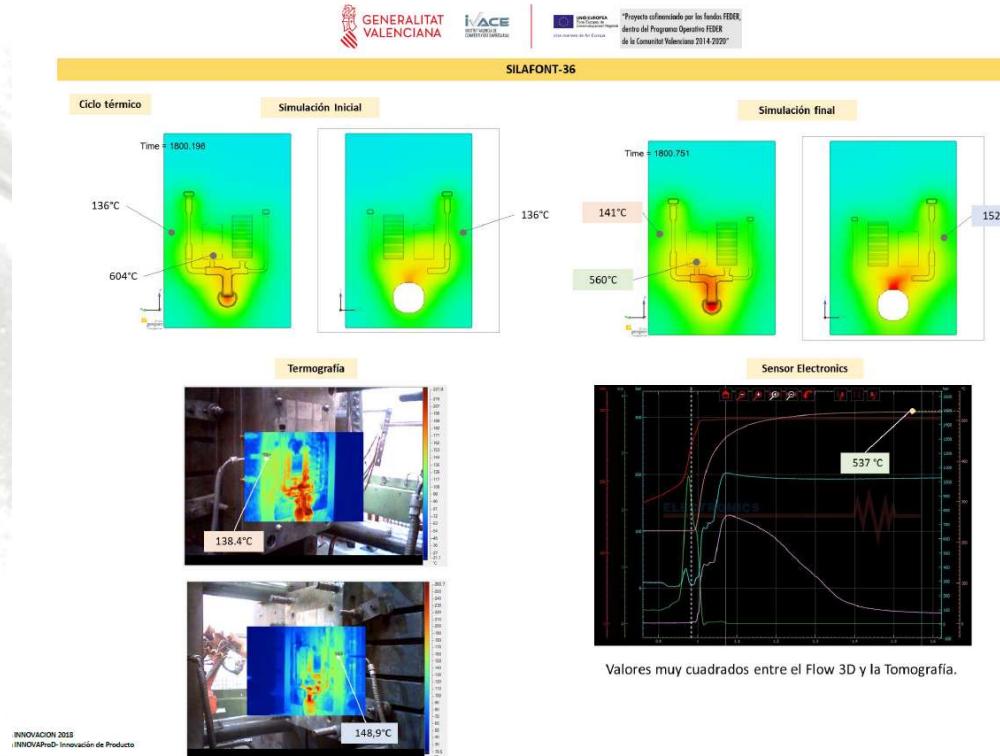
Test and behaviour analysis of special aluminium alloys used in the manufacturing of structural parts through HPDC

TARGET : To obtain hands-on experience casting these kind of almost primary alloys

- ✓ We have constructed prototype tools fitted with sensors aiming to obtain a series of critical process parameters.
- ✓ Results are fed into our CFD simulation software (Flow 3D cast) to fine-tune the simulation results



Silafont-36 Test on prototype tool



Silafont®-36

Castasil®-21

Magsimal®-59

RHEINFELDEN
Aluminium Rheinfelden GmbH

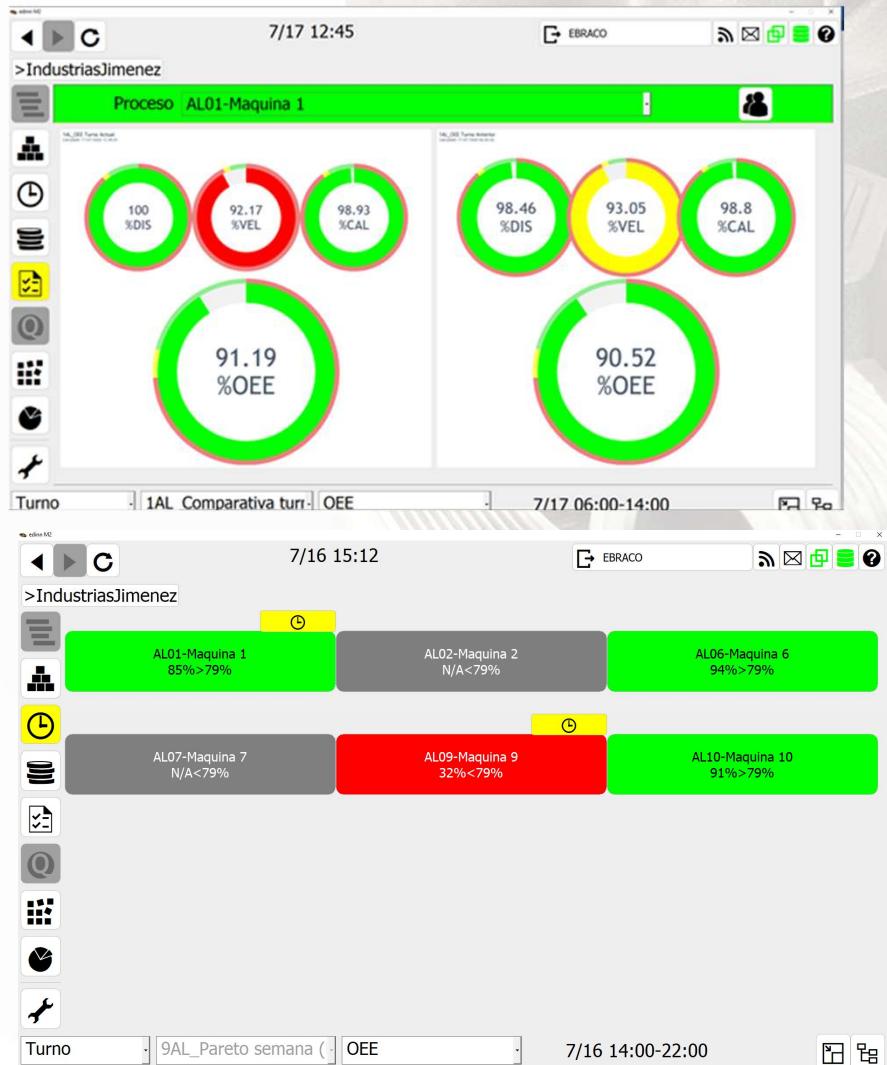
FINISHED SEPT 2024

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PROJECT: DIGITALIZA CV

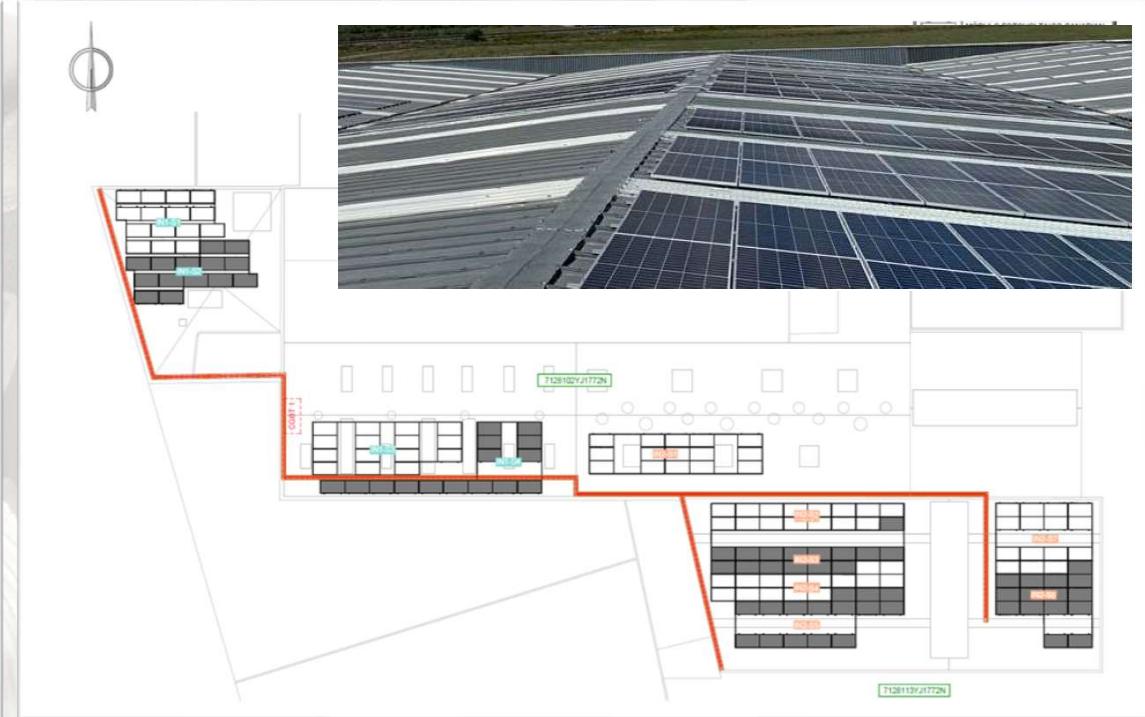
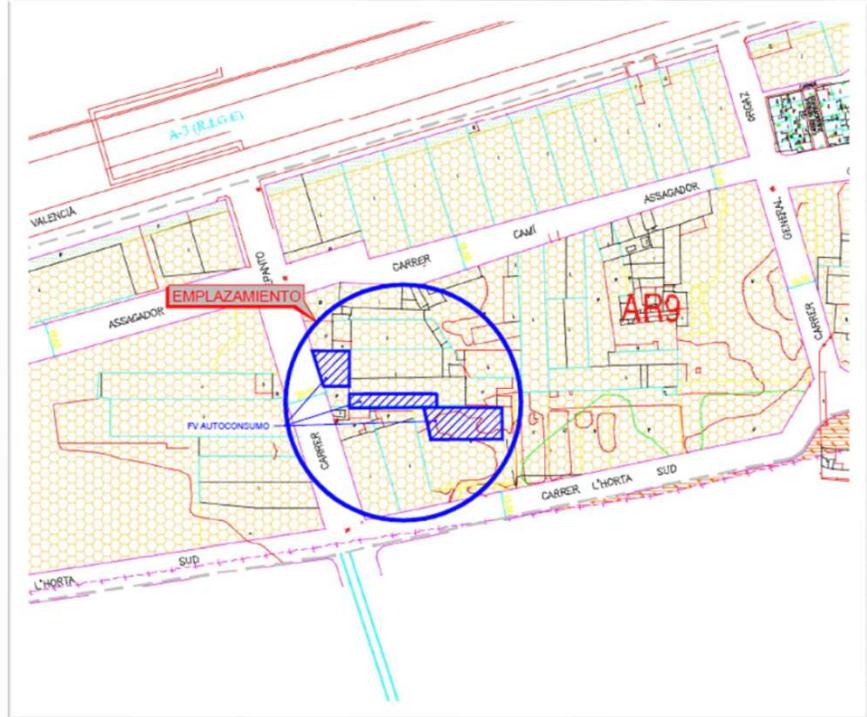
Implementation of an industry 4.0 platform and MES system to real time control of process performance

TARGET: Minimization of production losses and increase of productivity and efficiency by monitoring OEE as main indicator.



PROJECT: CARBON FOOTPRINT REDUCTION 10-10 strategy

Target 1: 10% of energy consumption coming from clean and renewable energies



A photovoltaic plant with 106 kwP is already projected on our current industrial roof.

This plant is designed to provide **159.840 kwh** per year of green energy directly to the production facilities

The expected impact on the environment will be the reduction of pollutant emissions:

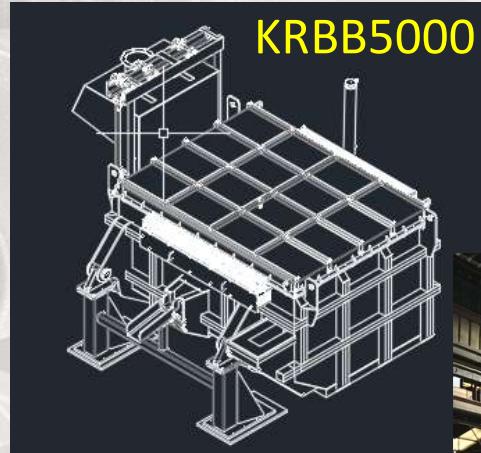
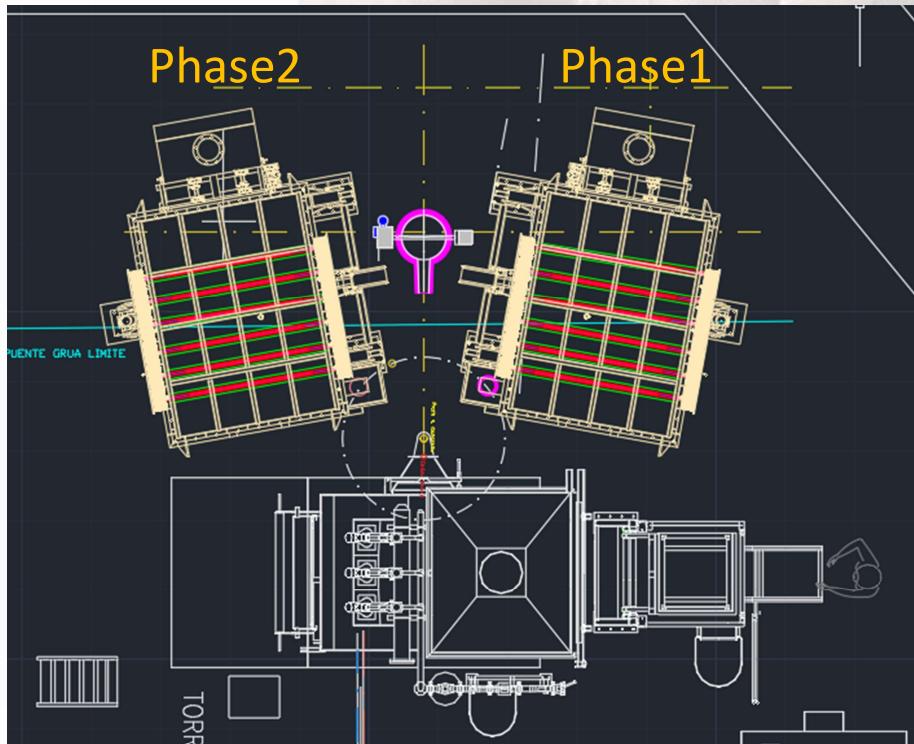
CO ₂	SO ₂	NO ₂
46,35 T/year	115,88 Kg/year	131,18 Kg/year

PROJECT IN PROGRESS

PROJECT: CARBON FOOTPRINT REDUCTION 10-10 strategy

Target 2: Reducing by 10 % our relative energy consumption

- 1) Increasing from 5 to 10 TN our aluminum melt storage capacity by adquisition of a two new holding furnaces



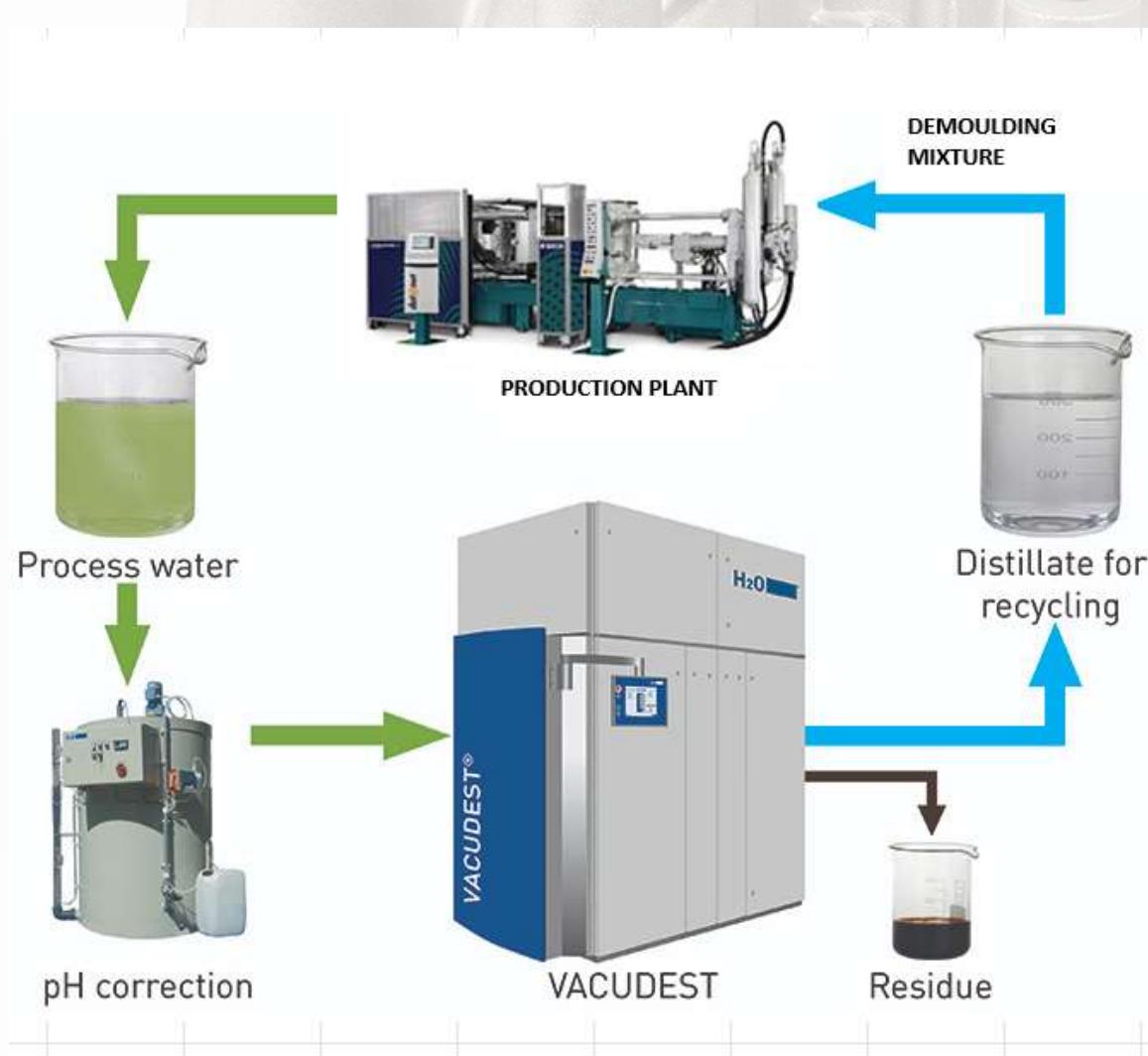
- 2) Move from gas to electricity for the alloy maintenance

PHASE 1 – finished July 2024

PROJECT: CARBON FOOTPRINT REDUCTION ISO14001 CERTIFICATION in 2022

RECYCLING 95% of our INDUSTRIAL WASTE

1) NEW WASTEWATER RECYCLING PLANT VACUDEST 400



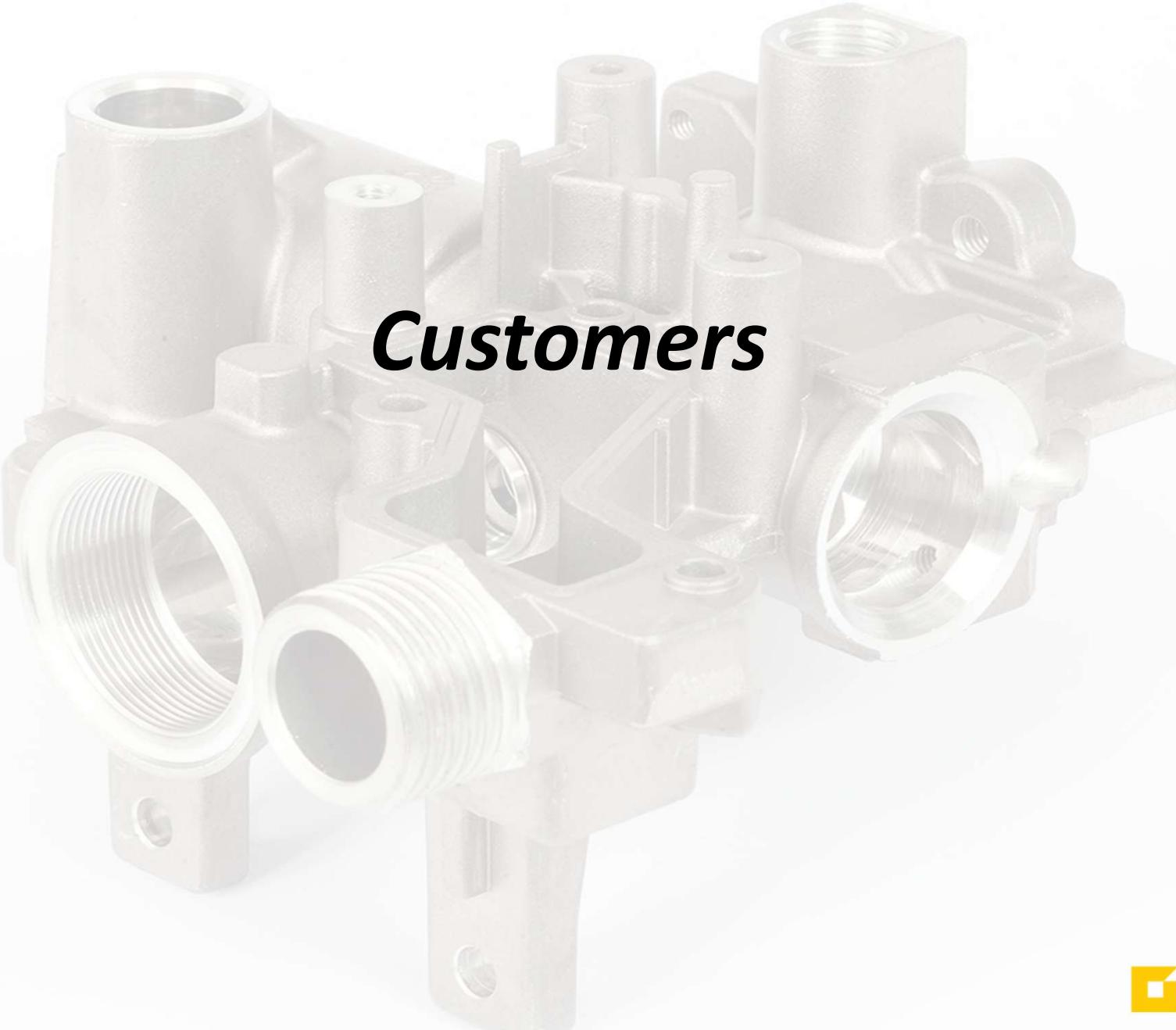
- ✓ Vacuum distillation
- ✓ More efficient
- ✓ Cost saving

GEISPEN TOOL SHOP

- ✓ *We have at your disposal in-house tooling construction facilities, Siemens Unigraphics design station, Flow 3D casting simulation station, tomography equipment and vast experience which allow us to produce and deliver even complex geometry tools in very short lead times ranging between 6 to 10 weeks.*



- ✓ **Prototype tooling** is a less expensive option to successful product design and successful mass production process.



Customers



B/S/H/



Products



GAS MARKET

- ✓ Tight dimensional tolerances
- ✓ Mechanical requirements
- ✓ Porosity is crucial

Valves for condensing and atmospheric boilers



Thermostatic bodies and other components for gas cooking appliances



Small complex geometry parts from 0,5 to 9 g



INDUSTRIAL COMPONENTS

- ✓ Tight dimensional tolerances
- ✓ Mechanical requirements
- ✓ E-coated surfaces



Driving systems



Large components for roll printing applications



EN AC 44300 for electrical housings

Supports and brackets



Hydraulic and Pneumatic connectors



ASSEMBLED AND TESTED PRODUCTS

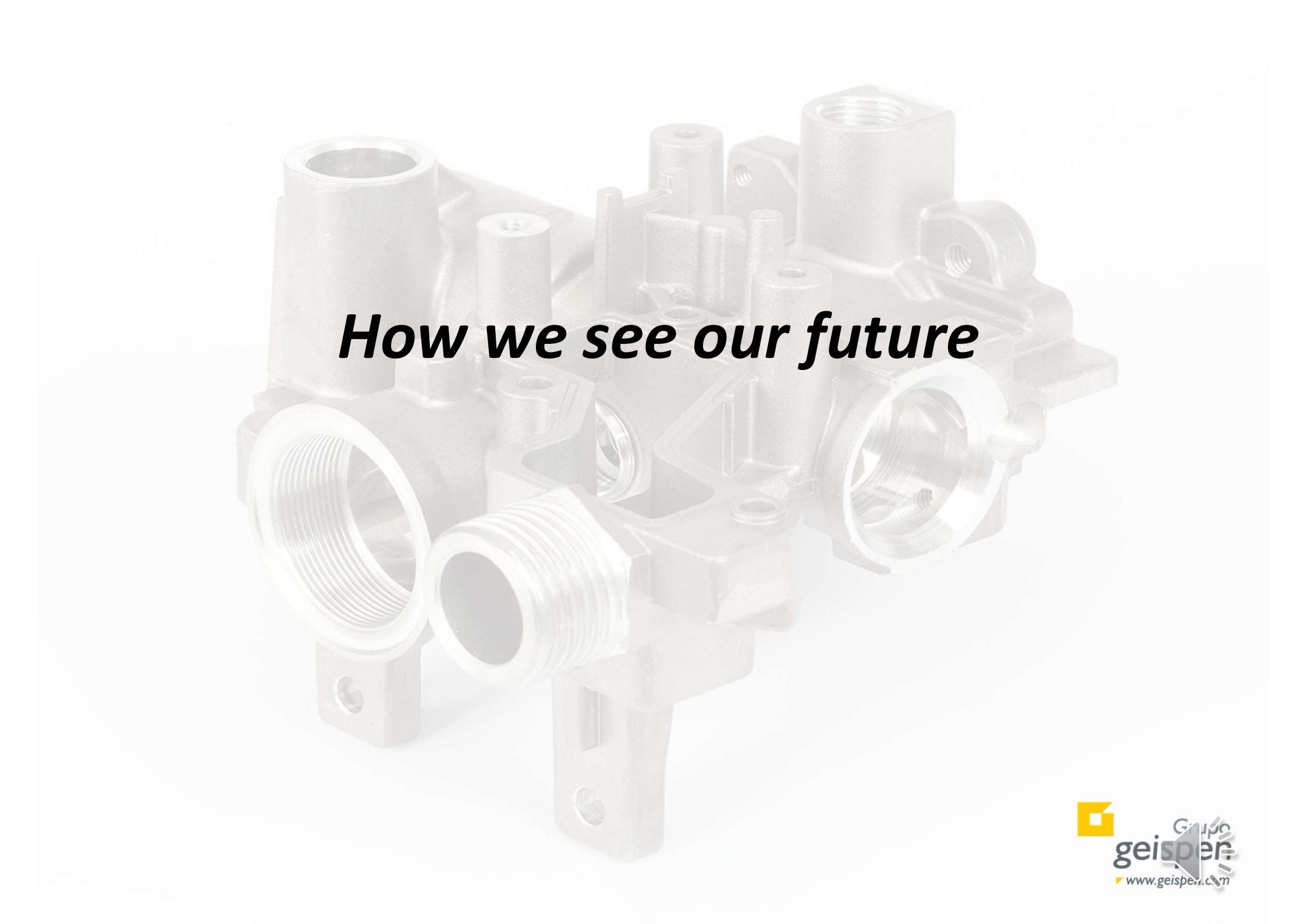
- ✓ *Products ready for the customer assembly line*
- ✓ *100% tested*
- ✓ *Quality assured by computer vision*
- ✓ *Laser etching*



Air/Gas Manifold for A+++ condensing boiler



Pre-assembled industrial printer body with powder coating and pad printing



How we see our future

Facilities

Current site



WE AIM TO GROW IN AN EFFICIENT AND GREEN WAY KNOWING THAT WE CAN BE MORE EFFICIENT IN A NEW LAYOUT

SAFETY FOR OUR WORKERS AND SECURITY FOR ALL THE DATA AND CUSTOMER ASSETS ARE CONSIDERED AS KEY FACTORS AT NEW BUILDING

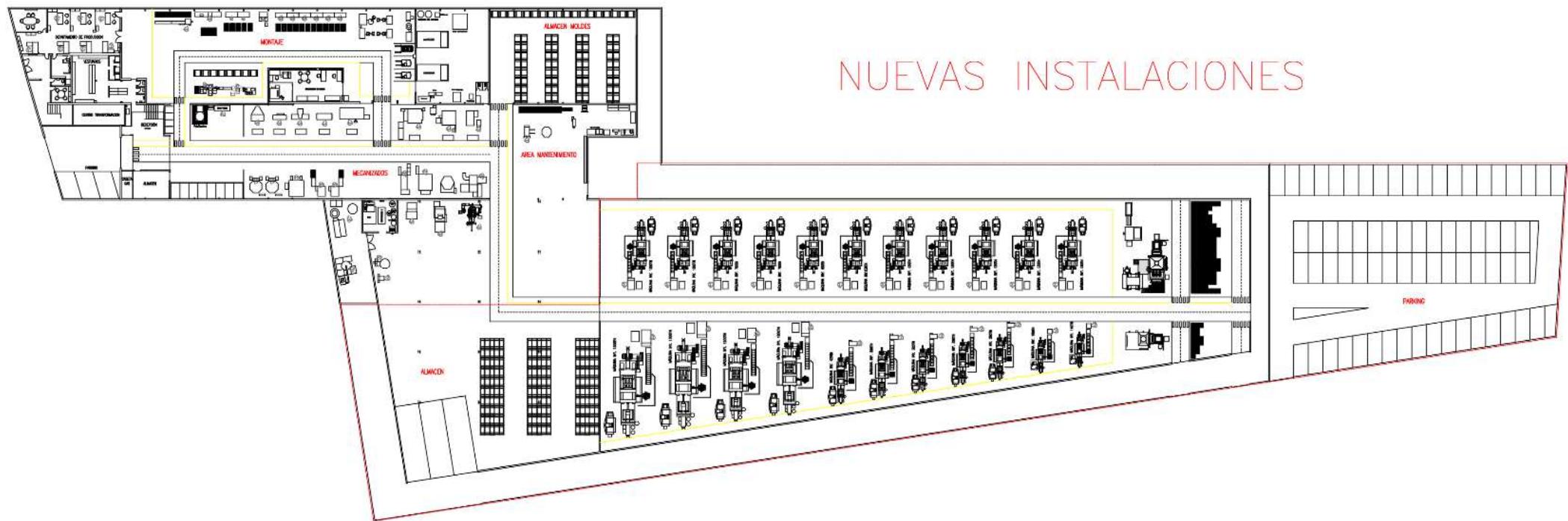
OUR PURPOSE IS SUPPORTING OUR CUSTOMERS FROM THE DESIGN OF THE PARTS

New facilities will consider a R&D area and a secondary photovoltaical plant to increase power to 250 Kwp

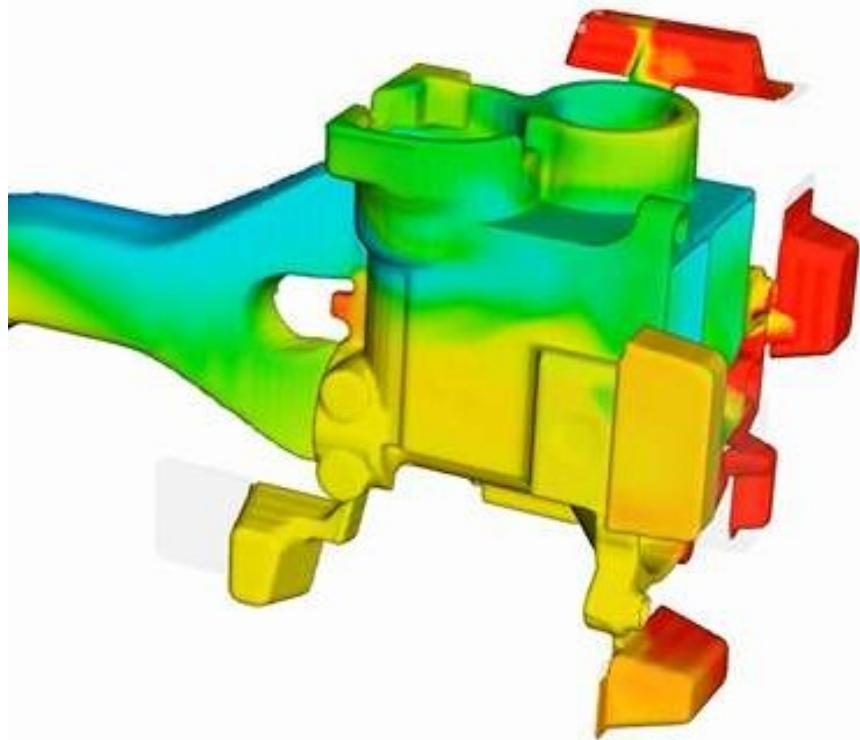
A Product design Engineer will be part of the team in 2024 for leading R&D department



New Facilities



New facilities		
	Current	New
Total Area (m ²)	5.288,00	11.704,00
Floor Area (m ²)	3.462,00	7.976,00
Die Casting Machines	10	up to 22
Range (Tn)	140 - 750	140 - 1.500
Fusion Capacity (Tn/Day)	34 Tn.	62 Tn.



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THANK YOU VERY MUCH

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More about us visiting:

www.geispen.com

